

ORIGINAL

DIN-SAFETY DATA SHEET
atropinso4

Date: 02.01.86

Company BOEHRINGER INGELHEIM KG	
Commercial product name Atropine Sulfate	
1.1 Chemical characterization: (+,-)-Tropyltropate Sulfate	
1.2 Form: powder	1.3 Colour: white 1.4 Odour: odourless
2 Physical data and safety data	
2.1 Change in physical state	melting point: 190 - 194 °C Tested in accordance with:
2.2 Density	300 - 400 kg/m ³
2.3 Bulk density	n.a.
2.4 Vapour pressure	n.a.
2.5 Viscosity	about 2000 g/l (20 °C)
2.6 Solubility in water	4 - 5 (20 g/l, 20 °C)
2.7 pH value	n.a.
2.8 Flash point	n.a.
2.9 Ignition temperature	Lower Upper
2.10 Explosion limits	
2.11 Thermal decomposition	
2.11 Hazardous decomposition products	In case of burning fumes may develop which can be dangerous to health.
2.12 Hazardous reactions	
2.13 Further information	Up to 150 °C no exothermic dec. (DTA)
3 Transport	
GGVSee/IMDG code: cl. 5.1 p. 5107 (D), p. 6010 (E) GGVE/GGVS: cl. 5.1, 81a (old)	UN No.: 1544 ICAO/IATA-DGR: cl. 6.1 UN 1544/II, poison RID/ADR: cl. 6.1 ADNR: 90b(new)
Other information: Air transport: Packing group II, p.instr.p.: 513 (25 kg), T650 (25 kg), p.instr.c.: 615 (100 kg). Naval transport: packing group II. EMS No.: 6.1-06 (RM 002), MFAG:805. Land transport: Packing group b).	
4 Regulations	
CAS-Nr. 55-48-1	ChemG/ArbstoffV: EEC-Nr.: 614-011-00-9 Danger symbol: T (very toxic) R-phrases: 26/28 S-phrases: 1-25-45
5 Protective measures; storage and handling	
5.1 Technical protective measures: Keep locked up. Keep container tightly closed and dry.	

WARACZYNSKI, MEG

UNIV OF WISCONSIN DEPT OF PSYCH
800 W MAIN RM#4015
WHITEWATER, WI 53190

=== MSDS TRACKING INFORMATION ===
MID: 1055930 ATROPINE SULFATE
PID: 4673561 CUST: 0172674-008
IMG: I:55930_3 PAGE: 3 of 4

PACKET: 92646-2012

Commercial product name Atropine Sulfate

5.2 Personal protective equipment
Respiratory protection: dust mask
Hand protection: gloves
Eye protection: dustproof glasses
Other:

5.3 Industrial hygiene: When using do not eat, drink or smoke. Avoid contact with eyes. The substance causes dilatation of the pupils.

5.4 Protection against fire and explosion: With organic powders the danger of a dust explosion is generally to be expected. Dust explosion danger-class (modified Hartmann-tube): ST2. Take precautionary measures against static discharges.

5.5 Disposal: In compliance with the local regulations left over products must be handed over to the person responsible for their disposal or given back to the producer. Disposal possibilities: Spezial dumping places or suitable combustion plants.

6 Measures in case of accidents and fires

6.1 After spillage / leakage / gas leakage: Take up by mechanical means, avoiding dust formation.

6.2 Extinguishing media: Suitable: CO₂, foam, dry powder, water spray jet

6.3 First aid: Not to be used:
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Zventual signs: Dilatation of the pupils, tachycardia, dryness of the mouth, restlessness, excitement. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

6.4 Further information:

7 Information of toxicity

RTECS CK 2450000: LD₅₀ oral, rat: 600 mg/kg
As experience showed a high toxicity of tropa alkaloids on man, the substance is classified as toxic.

8 Information on ecological affects

Do not empty into drains.

9 Further information

Atropin-salts are active ingredients. All precautionary measures required for drugs have to be observed analogously.
All information given herein is based on the current status of our knowledge and is not a guarantee for certain properties.

DIN 52900

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